

July 6, 2012

Nicole Foley Kraft, Chief
United States Environmental Protection Agency
Ground Water Compliance Section, 20th Floor
290 Broadway
New York, New York 10007-1866

**Re: Drywell Cleanout Summary Report
CFI Mobil Station #800004/V2204
449 Glen Cove Road
Roslyn Heights, New York**

Dear Ms. Kraft:

During Exxon Mobil Environmental Services Company (EMES) Drywell Assessment activities, conducted from November 6, 2009, through October 6, 2010, sediment samples were collected from (1) catch basin (DW-1), one (1) sediment box (DW-3) and one (1) drywell (DW-5). Based upon the laboratory analytical data, constituents of concern (COCs) were detected above the CP-51 SCG in all three (3) structures. Specifically, DW-1 and DW-5 exhibited VOCs, DW-1 and DW-3 exhibited SVOCs and DW-1, DW-3 and DW-5 exhibited metals above the CP-51 SCG.

As of February 15, 2011, Cumberland Farms, Inc. (CFI) took ownership of the site and acquired the environmental liability from EMES. On January 19, 2011, Kleinfelder East, Inc. (Kleinfelder) sent a *Drywell Assessment and Remediation Work Plan* to the USEPA stating that drywell cleanout activities will be conducted at structures DW-1 and DW-3 through DW-5. In accordance with the January 19, 2011, *Drywell Assessment and Remediation Work Plan*, GES, on behalf of CFI, conducted cleanout activities at (1) catch basin (DW-1), two (2) sediment boxes (DW-3 and DW-4) and one (1) drywell (DW-5) on December 7, 2011.

Drywell Cleanout Activities

Under GES environmental oversight the following parties were involved in the drywell cleanout activities:

- Fenley & Nicol Environmental, Inc. (F&N), of Deer Park, New York provided guzzler truck services for the removal and transportation of sediment from the structures; and,
- EarthCare, Inc. (EC), of Deer Park, New York, provided vacuum truck services for the removal and disposal of standing water encountered in the drywell and the disposal of sediment within the structures.

A summary of the drywell activities, including both pre-cleanout and post-cleanout information is provided below. Site features and the location of the structures are provided in **Figure 1**. Copies of the non-hazardous waste manifests have been included in **Attachment A**.



On December 7, 2011, EC, with oversight by GES, removed standing water from structures DW-1 and DW-3 through DW-5 utilizing a vacuum truck. Approximately 2,000 gallons of water were removed from structures DW-1 and DW-3 through DW-5 and transported by EC to the disposal facility.

Following the removal of standing water from DW-1 and DW-3 through DW-5, F&N, with oversight by GES, removed sediment from within the structures utilizing a guzzler truck. Sediment was removed to the greatest extent possible without compromising the integrity of the structures. Approximately 6.82 tons of sediment were removed from the structures and disposed of at EC's facility in Deer Park, New York.

Structure ID	Cleanout Date	Initial Depth (fbgs)	Final Depth (fbgs)	PID Field Measurement (ppm _v)	Approximate Volume of Water Removed (gallons)	Approximate Volume of Sediment Removed (yd ³)	Approximate Volume of Sand Backfilled (yd ³)
DW-1	12/7/2011	1.1	1.5	NA	3	.50	NA
DW-3	12/7/2011	5.8	7	NA	247	1	NA
DW-4	12/7/2011	9	9.5	NA	250	1	NA
DW-5	12/7/2011	18	20	ND	1,500	3	3

Notes:

fbgs - feet below ground surface
 PID - Photoionization detector
 ppm_v - parts per million
 yd³ - cubic yards
 NA - Not applicable
 ND - Non detect



Endpoint Sampling and Analytical Results

Upon completion of sediment removal, endpoint sample DW-5 (20) was collected utilizing a hand auger. The sample was screened using a MiniRAE 2000 Portable VOC Monitor GRM-7600 equipped with a 10.6 eV lamp with serial number 110-003828 and was calibrated utilizing ambient air and a 100 ppm, isobutylene span gas prior to use. DW-1, DW-3 and DW-4 were not sampled as they had solid concrete bottoms. The endpoint sample location is depicted on the Endpoint Sample Location Map provided as Figure 1.

Following the collection of the endpoint sample, drywell DW-5 was backfilled with approximately 3 cubic yards of clean sand. The endpoint sample was placed in a laboratory supplied container, entered on a chain-of-custody, placed on ice and packaged for delivery to TestAmerica Laboratories, Inc., of Nashville, Tennessee.

Sample DW-5 (20) was submitted for laboratory analysis of VOC STARS via EPA Method 8260B and RCRA Metals via EPA Method 6010B & 7470/7471A. The laboratory analytical results indicated that all samples were below the CP-51 SCG for all COCs analyzed. All samples were analyzed within applicable holding times. Soil analytical results have been summarized in Tables 1, 2 and 3. A copy of the chain-of-custody and the soil laboratory analytical report have been provided in Attachment B.

Summary and Conclusions

Results of the site activities are summarized below.

- During the Drywell Assessment activities, three (3) structures (DW-1, DW-3 and DW-5) exhibited COCs above the CP-51 SCG.
- On January 19, 2011, Kleinfelder sent a *Drywell Assessment and Remediation Work Plan* to the USEPA stating that drywell cleanout activities will be conducted at structures DW-1 and DW-3 through DW-5.
- On December 7, 2011, EC and F&N, with oversight by GES, conducted cleanout activities at structures DW-1 and DW-3 through DW-5. Sediment was removed to the extent possible without compromising integrity of the structures. Structures DW-1, DW-3 and DW-4 were cleaned out to their solid bottoms. During the cleanout activities, approximately 2,000 gallons of water were removed from the structures and were transported by EC to the disposal facility. Approximately 6.82 tons of sediment were removed from the structures and were disposed of at EC's facility in Deer Park, New York.
- Following the completion of the drywell cleanout activities, an endpoint sample was collected from drywell DW-5. Structures DW-1, DW-3 and DW-4 were not sampled as they had concrete bottoms.
- Sample DW-5 (20) was below the CP-51 SCG for all COCs analyzed.

Drywell Cleanout Summary Report
CFI Mobil Station #800004/V2204
449 Glen Cove Road, Roslyn Heights, New York
July 2012



Based upon the results of the drywell endpoint sampling, GES, on behalf of CFI is requesting no further action for the site.

If you have any questions regarding the information provided in this report, please contact Edward Savarese at (800) 360-9405, extension 4319.

Respectfully Submitted,
Groundwater & Environmental Services, Inc.

A handwritten signature in blue ink, reading "Jennifer N. Christoffel".

Jennifer N. Christoffel
Junior Geologist

A handwritten signature in blue ink, reading "Edward N. Savarese".

Edward N. Savarese
Project Manager

Attachments

cc - Christopher Johnson, P.G. - Cumberland Farms, Inc.

LIST OF ACRONYMS



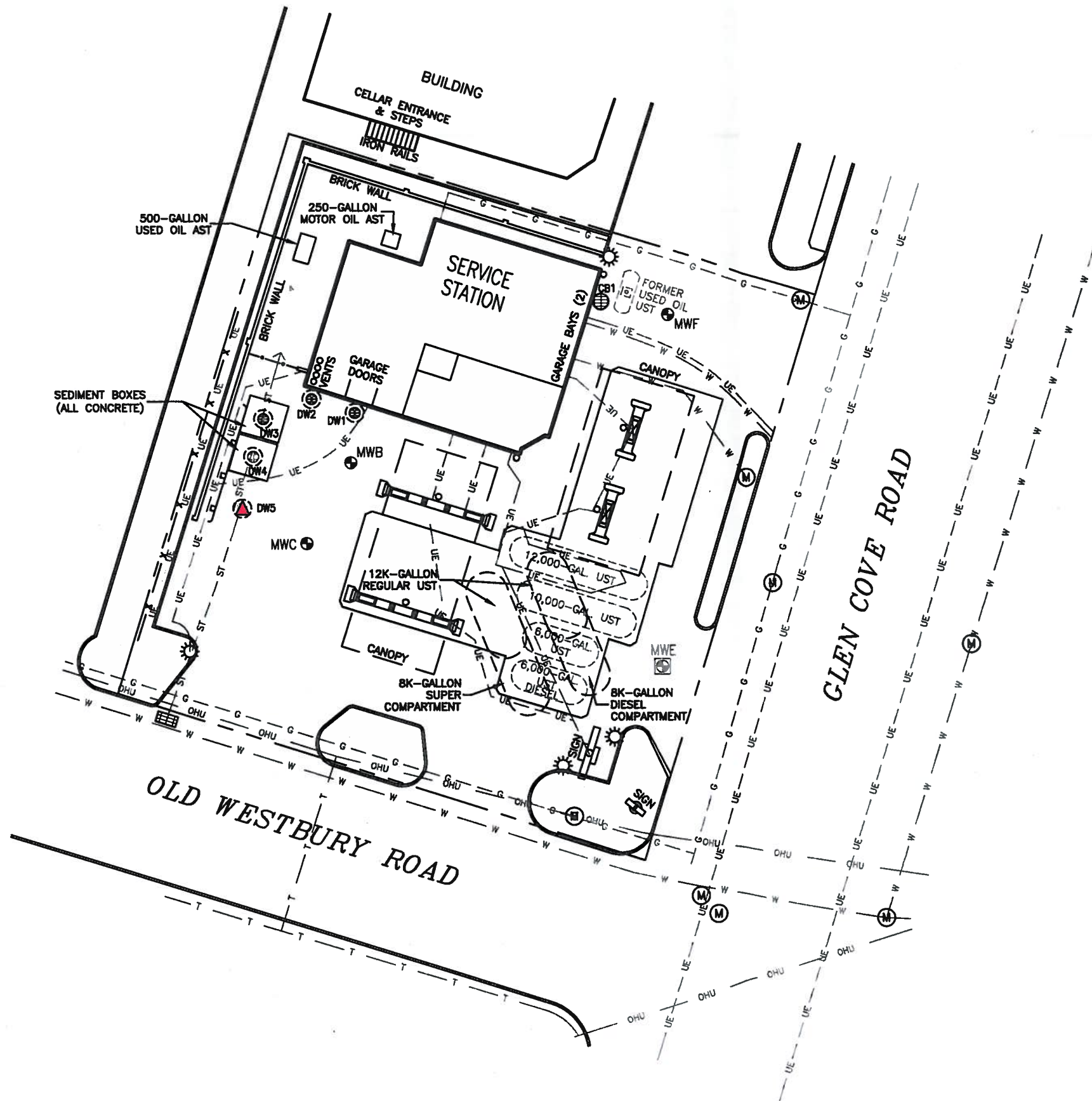
LIST OF ACRONYMS

AS :	Air Sparge
BTEX :	Benzene, Toluene, Ethylbenzene and Total Xylenes
Cat-Ox :	Catalytic Oxidizer
COC :	Chemical of Concern
CP-51 SCG :	Soil quality standards as defined by the NYSDEC <i>Commissioner Policy 51/ Soil Cleanup Guidance</i> , amended October 21, 2010 (updated soil cleanup levels to TAGM 4046)
DO :	Dissolved Oxygen
DTW :	Depth to Water
EPA :	Environmental Protection Agency
ESA :	Environmental Site Assessment
eV :	Electron Volt
F&T :	Fate and Transport
ft bgs :	Feet Below Ground Surface
GES :	Groundwater & Environmental Services, Inc.
GPR :	Ground Penetrating Radar
HIT :	High Intensity Targeted
HVE :	High Vacuum Extraction
IP :	Injection Point
IRM :	Interim Remedial Measure
ISCO :	In-situ Chemical Oxidation
lbs/hr :	Pounds Per Hour
LNAPL :	Light Non-Aqueous Phase Liquids
LPH :	Liquid Phase Hydrocarbons
mV :	Millivolts
MNA :	Monitored Natural Attenuation
MPE :	Multi-Phase Extraction
MTBE :	Methyl Tertiary Butyl Ether
MW :	Monitoring Well
ND :	Not Detected
NYCDEP :	New York City Department of Environmental Protection
NYSDEC :	New York State Department of Environmental Conservation
O&M :	Operations and Maintenance
ORP :	Oxidation-Reduction Potential
PID :	Photo-Ionization Detector
ppm _v :	Parts Per Million by Volume
P&T :	Pump and Treat
RAP :	Remedial Action Plan
RSCOs :	Recommended Soil Cleanup Objectives as defined by TAGM 4046
SRS :	Sensitive Receptor Survey
STARS :	<i>Spills Technology and Remediation Series #1</i> , amended August 1992
STIP :	Stipulation Agreement.
SVE :	Soil Vapor Extraction
SVOCs :	Semi Volatile Organic Compounds
TAGM :	<i>Technical and Administrative Guidance Memorandum (#4046): Determination of Soil Cleanup Objectives</i> , amended January 24, 1994
TOC :	Top of Casing



µg/kg :	Micrograms per kilogram
µg/L :	Micrograms per liter
UST :	Underground Storage Tank
VGAC :	Vapor-Phase Granulated Activated Carbon
VEGE :	Vacuum Enhanced Groundwater Extraction
VOCs :	Volatile Organic Compounds
WQS :	Groundwater quality standards as defined by the June 1998 <i>Technical and Operation Guidance Series 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations</i> and the April 2000 <i>Addendum</i>.

FIGURE





















LEGEND

- PROPERTY BOUNDARY
- x - FENCE
- FORMER UNDERGROUND STORAGE TANK
- ▢ CATCH BASIN
- ⊙ UTILITY MANHOLE
- ⊙ LIGHT POLE
- ⊙ DISPENSER ISLAND
- ⊙ DRYWELL
- ⊙ MONITORING WELL
- ⊙ ABANDONED/DESTROYED MONITORING WELL
- T - UNDERGROUND TELEPHONE LINE
- UE - UNDERGROUND ELECTRIC LINE
- W - UNDERGROUND WATER LINE
- G - UNDERGROUND GAS LINE
- OHU - OVERHEAD UTILITIES
- ▲ ENDPOINT SAMPLE LOCATION

DRAFTED BY: B.C.S. (N.J.)	ENDPOINT SAMPLE LOCATION MAP		
CHECKED BY: J.N.C	CUMBERLAND FARMS #800004 449 GLEN COVE ROAD ROSLYN HEIGHTS, NEW YORK		
REVIEWED BY: E.N.S			
NORTH 	Groundwater & Environmental Services, Inc. 89 CABOT COURT, SUITE A, HAUPPAUGE, NEW YORK, 11788		
	SCALE IN FEET 0 APPROXIMATE 30	DATE 7-27-11	FIGURE 1



- | | |
|---|-------------------------------------|
|  | PROPERTY BOUNDARY |
|  | FENCE |
|  | FORMER UNDERGROUND STORAGE TANK |
|  | CATCH BASIN |
|  | UTILITY MANHOLE |
|  | LIGHT POLE |
|  | DISPENSER ISLAND |
|  | DRYWELL |
|  | MONITORING WELL |
|  | ABANDONED/DESTROYED MONITORING WELL |
|  | UNDERGROUND TELEPHONE LINE |
|  | UNDERGROUND ELECTRIC LINE |
|  | UNDERGROUND WATER LINE |
|  | UNDERGROUND GAS LINE |
|  | OVERHEAD UTILITIES |
|  | ENDPOINT SAMPLE LOCATION |

DRAFTED BY: B.C.S. (N.J.)	ENDPOINT SAMPLE LOCATION MAP		
CHECKED BY: J.N.C	CUMBERLAND FARMS #800004 449 GLEN COVE ROAD ROSLYN HEIGHTS, NEW YORK		
REVIEWED BY: E.N.S	Groundwater & Environmental Services, Inc. 89 CABOT COURT, SUITE A, HAUPPAUGE, NEW YORK, 11788		
NORTH 	SCALE IN FEET  0 APPROXIMATE 30	DATE 7-27-11	FIGURE 1

TABLES

Table 1

DRYWELL SOIL ANALYTICAL DATA - VOCs

CFI Mobil Station #800004/V2204
449 Glen Cove Avenue
Roslyn Heights, New York

Compound	CP-51 Soil Cleanup Guidance	Sample ID		
		Catch Basin DW-1	Drywell DW-5	
		DW-1*	DW-5 (18.5)	DW-5 (20)
Date		11/06/2009	10/06/2010	12/07/2011
Laboratory Analytical Method		EPA Method 8260B		
Benzene (µg/kg)	60	ND<77	ND<2	ND<1.97
sec-Butylbenzene (µg/kg)	11,000	142	384	ND<1.97
tert-Butylbenzene (µg/kg)	5,900	ND<390	ND<118	ND<1.97
n-Butylbenzene (µg/kg)	12,000	425	2,040	ND<1.97
Ethylbenzene (µg/kg)	1,000	714	98	ND<1.97
Isopropylbenzene (µg/kg)	2,300	159	73	ND<1.97
p-Isopropyltoluene (µg/kg)	10,000	1,030	902	ND<1.97
Methyl tert-Butyl Ether (µg/kg)	930	ND<77	ND<2	ND<1.97
Naphthalene (µg/kg)	12,000	1,900	1,640	ND<4.92
n-Propylbenzene (µg/kg)	3,900	507	1,330	ND<1.97
Toluene (µg/kg)	700	317	8.93	ND<1.97
1,2,4-Trimethylbenzene (µg/kg)	3,600	3,150	8,390	2.71
1,3,5-Trimethylbenzene (µg/kg)	8,400	997	3,020	ND<1.97
Total Xylenes (µg/kg)	1,600	2,360	264	ND<4.92

Notes:

- Laboratory report values that contain decimal places and are greater than ten are rounded to the nearest whole number.
- No sample was collected from DW-1 as it had a solid concrete bottom.

VOCs

= Volatile Organic Compounds

CP-51

= Commissioner Policy 51 Soil Cleanup Levels, effective October 21, 2010

DW-5 (18.5)

= Sample ID (sample depth)

*

= Depth indicated as "unknown" in the Drywell Assessment Report

µg/kg

= Micrograms/kilogram

ND<#

= Not detected (# is the reporting limit or the method detection limit)

= Concentration above the CP-51 Soil Cleanup Guidance

Table 2

DRYWELL SOIL ANALYTICAL DATA - SVOCs

CFI Mobil Station #800004/V2204
449 Glen Cove Avenue
Roslyn Heights, New York

Compound	CP-51 Soil Cleanup Guidance	Sample ID	
		Catch Basin DW-1	Sediment Box DW-3
		DW-1 *	DW-3 (5.5)
Date		11/06/2009	10/06/2010
Laboratory Analytical Method		EPA Method 8270C	
Anthracene (µg/kg)	1,000,000	426	1,010
Acenaphthene (µg/kg)	98,000	407	405
Benzo(a)anthracene (µg/kg)	1,000	964	2,810
Benzo(b)fluoranthene (µg/kg)	1,700	1,400	3,200
Benzo(k)fluoranthene (µg/kg)	1,700	918	2,350
Benzo(g,h,i)perylene (µg/kg)	1,000,000	903	2,000
Benzo(a)pyrene (µg/kg)	22,000	1,090	2,780
Chrysene (µg/kg)	1,000	1,370	3,520
Dibenzo(a,h)anthracene (µg/kg)	1,000,000	191	569
Fluoranthene (µg/kg)	1,000,000	3,010	6,820
Fluorene (µg/kg)	386,000	562	675
Indeno(1,2,3-cd)pyrene (µg/kg)	8,200	911	1,830
Naphthalene (µg/kg)	12,000	1,410	952
Phenanthrene (µg/kg)	1,000,000	2,670	4,940
Pyrene (µg/kg)	1,000,000	2,470	5,900

Notes:

- Laboratory report values that contain decimal places and are greater than ten are rounded to the nearest whole number.

- No samples were collected from DW-1 and DW-3 as they had solid concrete bottoms.

SVOCs

= Semi-Volatile Organic Compounds

CP-51

= Commissioner Policy 51 Soil Cleanup Guidance, effective October 21, 2010

DW-1 (5.5)

= Sample ID (sample depth)

*

= Depth indicated as "unknown" in the Drywell Assessment Report

µg/kg

= Micrograms/kilogram

ND<#

= Not detected (# is the reporting limit or the method detection limit)

= Concentration above the CP-51 Soil Cleanup Guidance

Table 3

DRYWELL SOIL ANALYTICAL DATA - METALS

CFI Mobil Station #800004/V2204
 449 Glen Cove Avenue
 Roslyn Heights, New York

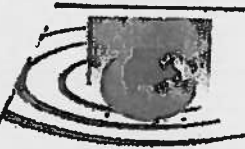
Compound	CP-51 Soil Cleanup Guidance	Sample ID			
		Catch Basin DW-1	Sediment Box DW-3	Drywell DW-5	
		DW-1 *	DW-3 (5.5)	DW5 (18.5)	DW-5 (20)
Date		11/06/2009	10/06/2010	10/06/2010	12/07/2011
Laboratory Analytical Method		EPA Method 6010B & 7470/7471A			
Arsenic (mg/kg)	16	2	3.62	5.97	-
Barium (mg/kg)	820	42	64	202	-
Cadmium (mg/kg)	7.5	1.1	ND<1.12	16	ND<1.03
Chromium (mg/kg)	19	22	24	271	9.14
Lead (mg/kg)	450	80	81	737	7.47
Mercury (mg/kg)	0.73	0.046	ND<0.099	0.46	-
Selenium (mg/kg)	4	ND<2	ND<1.12	ND<3	-
Silver (mg/kg)	8.3	ND<1	ND<1.12	3.38	-

Notes:

- Laboratory report values that contain decimal places and are greater than ten are rounded to the nearest whole number.
- No samples were collected from DW-1 and DW-3 as they had solid concrete bottoms.
- CP-51 = Commissioner Policy 51 Soil Cleanup Guidance, effective October 21, 2010
- * = Depth indicated as "unknown" in the Drywell Assessment Report
- DW-5 (18.5) = Sample ID and sample depth
- mg/kg = Milligrams/kilogram
- ND<# = Not detected (# is the reporting limit or the method detection limit)
- = Concentration above the CP-51 Soil Cleanup Guidance

ATTACHMENT A

Non-Hazardous Waste Manifests



EarthCare

We make It easy!

Work Order

Site # _____
WO # 858 221
Date 12/2/11 PO # _____
Office 631.586.0002 Toll Free 888.753.7246

Name James J. Adams
Street 449 Glen Cove Rd
City & Zip Long Beach
Bill To James Adams

Phone _____
Cross Street _____
EC Tech. Name Ready
Bill To Street _____

Truck # 1766
EC Helper Name _____
Bill To City & Zip _____

Wastewater Pumped:

- ☒ Casspool
☐ Greasetrap
☒ Septic Tank
☐ STP
☐ Frac Tank
☐ Precast
- ☐ GT Preventive Maintenance
☐ Septic Preventive Maintenance
☐ Addtl Service Rec. Type(s) _____
☐ Follow Up Requested
☐ Block Depth _____ Diameter _____

Gallons 2000

Pumping Total \$ _____

Service Notes

pay for oil service
system - it + c/p
jacob - D... ..

Drainage Restoration Service:

- ☐ AERATION Qty _____
☐ CHEMICAL Per Pool _____ Total Gal. _____
☐ BACTERIA Case _____
☐ # of Pools _____

DRS Totals \$ _____

Service Notes

Drain Line Cleaning

- ☐ Roto Rooting Size of Machine _____ Hours _____
☐ Main line trap - In
☐ Main line trap - out
☐ Sink line
☐ Tub line
☐ Branch line ☐ 2" ☐ 3" ☐ 4" ☐ 6" ☐ Other _____
☐ Sewer Jet Svc _____ Hours _____

DLC Totals \$ _____

Service Notes

Other Services

- ☐ Toilet Removal & ReSet (does not include line cleaning) \$ _____
☐ Trap Replacement \$ _____
☐ Trap Cap ☐ 2" ☐ 3" ☐ 4" \$ _____
☐ Truck Time Hours _____ \$ _____
☐ Additional Labor Hours _____ \$ _____
☐ Materials \$ _____
☐ Back Flushing \$ _____

OS Totals \$ _____

Service Notes

Recommendations By: _____

Follow Up Assigned To: _____

Sub Total _____
Fuel _____
Tax _____
Total _____

Tax Rate _____

Time In: 10:41

Time Out: 11:55

Standby By Time: _____

I acknowledge and agree with the terms and conditions on the reverse side of Work Order

Check # _____

Cash Amount \$ _____

Signature [Signature]

Date 12/2

Print Name: James Adams

Name on Credit Card _____

Exp. Date _____

SSV Code _____

Charge Amount \$ _____

CC Billing Address: _____

City/State/Zip _____

Card Type _____

Form 128 Rev 411

Please print or type. (Form designed for use on 11-2-pitch typewriter.)

Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NYCESQ999999	2. Page 1 of 1	3. Emergency Response Phone 831-686-4800	4. Manifest Tracking Number 004460064 FLE		
5. Generator's Name and Mailing Address Cumberland Farms 449 Glen Cove Rd. Roslyn Heights NY 11577							
6. Generator's Phone: 516 821-7821							
6. Transporter 1 Company Name Fenley & Nicol Environmental, Inc.					U.S. EPA ID Number NYD980592570		
7. Transporter 2 Company Name					U.S. EPA ID Number		
8. Designated Facility Name and Site Address EarthCare 972 Noyles Road Dear Park NY 11729					U.S. EPA ID Number		
Facility's Phone:							
GENERATOR	9a. HAI	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) 1. NON-HAZARDOUS WASTE (DRYWELL SLUDGE), NOT-DOT, NOT-RCRA REGULATED	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
			001	TT	5 1/2	Y	NONE
					6.82	Tons	
14. Special Handling Instructions and Additional Information							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.37(a) (1) (I am a large quantity generator) or (b) (I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name David Rotkutz on behalf of Cumberland Farms Inc.							
Signature <i>[Signature]</i> on behalf of Cumberland Farms Inc. Month Day Year 12/7/11							
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry: Date leaving U.S.:						
	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name ASHTON Signature <i>[Signature]</i> Month Day Year 12/07/11						
Transporter 2 Printed/Typed Name ALZ Signature <i>[Signature]</i> Month Day Year							
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	19a. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number						
	Facility's Phone:						
	19c. Signature of Alternate Facility (or Generator) Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a							
Printed/Typed Name Charles Smith Signature <i>[Signature]</i> Month Day Year 12/11/11							

ATTACHMENT B

Laboratory Analytical Results - Soil

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NVL1144

Client Project/Site: 449 Glencove Road, Roslyn Heights, NY
Client Project Description:

CFI Roslyn Heights - 800004 / V2204 - CFI

For:

GES Hauppauge (CFI)
89A Cabot Court
Hauppauge, NY 11788

Attn: GES Project Manager

Jennifer Huckaba

Authorized for release by:
12/22/2011 11:49:22 AM

Jennifer Huckaba
Senior Project Manager
jennifer.huckaba@testamericainc.com

LINKS

Review your project
results through

Total Access

Have a Question?

**Ask
The
Expert**

Visit us at:

www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Sample Summary	3
Case Narrative	4
Definitions	5
Client Sample Results	6
QC Sample Results	7
QC Association	11
Chronicle	12
Method Summary	13
Certification Summary	14
Chain of Custody	15

Sample Summary

Client: GES Hauppauge (CFI)

Project/Site: 449 Glencove Road, Roslyn Heights, NY

TestAmerica Job ID: NVL1144

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NVL1144-01	DW-5 (20)	Soil	12/07/11 13:35	12/08/11 08:00

Case Narrative

Client: GES Hauppauge (CFI)
Project/Site: 449 Glencove Road, Roslyn Heights, NY

TestAmerica Job ID: NVL1144

Job ID: NVL1144

Laboratory: TestAmerica Nashville

NELAC Certification

NELAC certifications are not held for the following analytes included in this report:

<u>Method</u>	<u>Matrix</u>	<u>Analyte</u>
SW-846	Soil	% Dry Solids

Definitions/Glossary

Client: GES Hauppauge (CFI)

Project/Site: 449 Glencove Road, Roslyn Heights, NY

TestAmerica Job ID: NVL1144

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
✱	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: GES Hauppauge (CFI)
Project/Site: 449 Glencove Road, Roslyn Heights, NY

TestAmerica Job ID: NVL1144

Client Sample ID: DW-5 (20)

Date Collected: 12/07/11 13:35

Date Received: 12/08/11 08:00

Lab Sample ID: NVL1144-01

Matrix: Soil

Percent Solids: 94.9

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.97		ug/kg dry	*	12/09/11 09:32	12/17/11 22:21	1.00
sec-Butylbenzene	ND		1.97		ug/kg dry	*	12/09/11 09:32	12/17/11 22:21	1.00
tert-Butylbenzene	ND		1.97		ug/kg dry	*	12/09/11 09:32	12/17/11 22:21	1.00
n-Butylbenzene	ND		1.97		ug/kg dry	*	12/09/11 09:32	12/17/11 22:21	1.00
Ethylbenzene	ND		1.97		ug/kg dry	*	12/09/11 09:32	12/17/11 22:21	1.00
Isopropylbenzene	ND		1.97		ug/kg dry	*	12/09/11 09:32	12/17/11 22:21	1.00
p-Isopropyltoluene	ND		1.97		ug/kg dry	*	12/09/11 09:32	12/17/11 22:21	1.00
Methyl tert-Butyl Ether	ND		1.97		ug/kg dry	*	12/09/11 09:32	12/17/11 22:21	1.00
Naphthalene	ND		4.92		ug/kg dry	*	12/09/11 09:32	12/17/11 22:21	1.00
n-Propylbenzene	ND		1.97		ug/kg dry	*	12/09/11 09:32	12/17/11 22:21	1.00
Toluene	ND		1.97		ug/kg dry	*	12/09/11 09:32	12/17/11 22:21	1.00
1,2,4-Trimethylbenzene	2.71		1.97		ug/kg dry	*	12/09/11 09:32	12/17/11 22:21	1.00
1,3,5-Trimethylbenzene	ND		1.97		ug/kg dry	*	12/09/11 09:32	12/17/11 22:21	1.00
o-Xylene	ND		1.97		ug/kg dry	*	12/09/11 09:32	12/17/11 22:21	1.00
m,p-Xylene	ND		2.95		ug/kg dry	*	12/09/11 09:32	12/17/11 22:21	1.00
Xylenes, total	ND		4.92		ug/kg dry	*	12/09/11 09:32	12/17/11 22:21	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	94		70 - 130	12/09/11 09:32	12/17/11 22:21	1.00
Dibromofluoromethane	100		70 - 130	12/09/11 09:32	12/17/11 22:21	1.00
Toluene-d8	98		70 - 130	12/09/11 09:32	12/17/11 22:21	1.00
4-Bromofluorobenzene	100		70 - 130	12/09/11 09:32	12/17/11 22:21	1.00

Method: SW846 6010B - Total Metals by EPA Method 6010B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		1.03		mg/kg dry	*	12/13/11 12:16	12/14/11 12:17	1.00
Chromium	9.14		1.03		mg/kg dry	*	12/13/11 12:16	12/14/11 12:17	1.00
Lead	7.47		1.03		mg/kg dry	*	12/13/11 12:16	12/14/11 12:17	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	94.9		0.500		%	-	12/14/11 15:25	12/15/11 10:18	1.00

QC Sample Results

Client: GES Hauppauge (CFI)
Project/Site: 449 Glencove Road, Roslyn Heights, NY

TestAmerica Job ID: NVL1144

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Lab Sample ID: 11L3912-BLK1

Matrix: Soil

Analysis Batch: U022232

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L3912_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.00		ug/kg wet		12/17/11 14:52	12/17/11 18:44	1.00
sec-Butylbenzene	ND		2.00		ug/kg wet		12/17/11 14:52	12/17/11 18:44	1.00
tert-Butylbenzene	ND		2.00		ug/kg wet		12/17/11 14:52	12/17/11 18:44	1.00
n-Butylbenzene	ND		2.00		ug/kg wet		12/17/11 14:52	12/17/11 18:44	1.00
Ethylbenzene	ND		2.00		ug/kg wet		12/17/11 14:52	12/17/11 18:44	1.00
Isopropylbenzene	ND		2.00		ug/kg wet		12/17/11 14:52	12/17/11 18:44	1.00
p-Isopropyltoluene	ND		2.00		ug/kg wet		12/17/11 14:52	12/17/11 18:44	1.00
Methyl tert-Butyl Ether	ND		2.00		ug/kg wet		12/17/11 14:52	12/17/11 18:44	1.00
Naphthalene	ND		5.00		ug/kg wet		12/17/11 14:52	12/17/11 18:44	1.00
n-Propylbenzene	ND		2.00		ug/kg wet		12/17/11 14:52	12/17/11 18:44	1.00
Toluene	ND		2.00		ug/kg wet		12/17/11 14:52	12/17/11 18:44	1.00
1,2,4-Trimethylbenzene	ND		2.00		ug/kg wet		12/17/11 14:52	12/17/11 18:44	1.00
1,3,5-Trimethylbenzene	ND		2.00		ug/kg wet		12/17/11 14:52	12/17/11 18:44	1.00
o-Xylene	ND		2.00		ug/kg wet		12/17/11 14:52	12/17/11 18:44	1.00
m,p-Xylene	ND		3.00		ug/kg wet		12/17/11 14:52	12/17/11 18:44	1.00
Xylenes, total	ND		5.00		ug/kg wet		12/17/11 14:52	12/17/11 18:44	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	100		70 - 130	12/17/11 14:52	12/17/11 18:44	1.00
Dibromofluoromethane	104		70 - 130	12/17/11 14:52	12/17/11 18:44	1.00
Toluene-d8	97		70 - 130	12/17/11 14:52	12/17/11 18:44	1.00
4-Bromofluorobenzene	98		70 - 130	12/17/11 14:52	12/17/11 18:44	1.00

Lab Sample ID: 11L3912-BLK2

Matrix: Soil

Analysis Batch: U022232

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L3912_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		100		ug/kg wet		12/17/11 14:52	12/17/11 17:12	50.0
sec-Butylbenzene	ND		100		ug/kg wet		12/17/11 14:52	12/17/11 17:12	50.0
tert-Butylbenzene	ND		100		ug/kg wet		12/17/11 14:52	12/17/11 17:12	50.0
n-Butylbenzene	ND		100		ug/kg wet		12/17/11 14:52	12/17/11 17:12	50.0
Ethylbenzene	ND		100		ug/kg wet		12/17/11 14:52	12/17/11 17:12	50.0
Isopropylbenzene	ND		100		ug/kg wet		12/17/11 14:52	12/17/11 17:12	50.0
p-Isopropyltoluene	ND		100		ug/kg wet		12/17/11 14:52	12/17/11 17:12	50.0
Methyl tert-Butyl Ether	ND		100		ug/kg wet		12/17/11 14:52	12/17/11 17:12	50.0
Naphthalene	ND		250		ug/kg wet		12/17/11 14:52	12/17/11 17:12	50.0
n-Propylbenzene	ND		100		ug/kg wet		12/17/11 14:52	12/17/11 17:12	50.0
Toluene	ND		100		ug/kg wet		12/17/11 14:52	12/17/11 17:12	50.0
1,2,4-Trimethylbenzene	ND		100		ug/kg wet		12/17/11 14:52	12/17/11 17:12	50.0
1,3,5-Trimethylbenzene	ND		100		ug/kg wet		12/17/11 14:52	12/17/11 17:12	50.0
o-Xylene	ND		100		ug/kg wet		12/17/11 14:52	12/17/11 17:12	50.0
m,p-Xylene	ND		150		ug/kg wet		12/17/11 14:52	12/17/11 17:12	50.0
Xylenes, total	ND		250		ug/kg wet		12/17/11 14:52	12/17/11 17:12	50.0

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	99		70 - 130	12/17/11 14:52	12/17/11 17:12	50.0
Dibromofluoromethane	101		70 - 130	12/17/11 14:52	12/17/11 17:12	50.0
Toluene-d8	95		70 - 130	12/17/11 14:52	12/17/11 17:12	50.0

QC Sample Results

Client: GES Hauppauge (CFI)
Project/Site: 449 Glencove Road, Roslyn Heights, NY

TestAmerica Job ID: NVL1144

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L3912-BLK2
Matrix: Soil
Analysis Batch: U022232

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11L3912_P

Surrogate	Blank %Recovery	Blank Qualifier	Limits
4-Bromofluorobenzene	98		70 - 130

Prepared	Analyzed	Dil Fac
12/17/11 14:52	12/17/11 17:12	50.0

Lab Sample ID: 11L3912-BS1
Matrix: Soil
Analysis Batch: U022232

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11L3912_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	51.2		ug/kg		102	75 - 127
sec-Butylbenzene	50.0	54.7		ug/kg		109	79 - 141
tert-Butylbenzene	50.0	50.4		ug/kg		101	80 - 132
n-Butylbenzene	50.0	63.0		ug/kg		126	72 - 152
Ethylbenzene	50.0	52.0		ug/kg		104	80 - 134
Isopropylbenzene	50.0	58.5		ug/kg		117	80 - 150
p-Isopropyltoluene	50.0	57.9		ug/kg		116	77 - 141
Methyl tert-Butyl Ether	50.0	48.7		ug/kg		97	70 - 136
Naphthalene	50.0	54.0		ug/kg		108	69 - 150
n-Propylbenzene	50.0	53.8		ug/kg		108	75 - 137
Toluene	50.0	54.0		ug/kg		108	80 - 132
1,2,4-Trimethylbenzene	50.0	55.4		ug/kg		111	77 - 139
1,3,5-Trimethylbenzene	50.0	54.8		ug/kg		110	78 - 138
o-Xylene	50.0	53.1		ug/kg		106	80 - 141
m,p-Xylene	100	120		ug/kg		120	80 - 137
Xylenes, total	150	173		ug/kg		115	80 - 137

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4	93		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8	101		70 - 130
4-Bromofluorobenzene	92		70 - 130

Lab Sample ID: 11L3912-MS1
Matrix: Soil
Analysis Batch: U022232

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11L3912_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		59.2	60.3		ug/kg dry	*	102	31 - 143
sec-Butylbenzene	1.96		59.2	53.8		ug/kg dry	*	88	12 - 170
tert-Butylbenzene	ND		59.2	53.2		ug/kg dry	*	90	20 - 164
n-Butylbenzene	2.65		59.2	54.8		ug/kg dry	*	88	10 - 175
Ethylbenzene	ND		59.2	56.2		ug/kg dry	*	95	23 - 161
Isopropylbenzene	1.83		59.2	61.6		ug/kg dry	*	101	23 - 161
p-Isopropyltoluene	ND		59.2	54.3		ug/kg dry	*	92	12 - 168
Methyl tert-Butyl Ether	ND		59.2	62.7		ug/kg dry	*	106	28 - 141
Naphthalene	30.6		59.2	71.0		ug/kg dry	*	68	10 - 176
n-Propylbenzene	3.40		59.2	56.8		ug/kg dry	*	90	19 - 162
Toluene	ND		59.2	59.6		ug/kg dry	*	101	30 - 155
1,2,4-Trimethylbenzene	ND		59.2	55.8		ug/kg dry	*	94	14 - 165
1,3,5-Trimethylbenzene	ND		59.2	56.9		ug/kg dry	*	96	18 - 164
o-Xylene	ND		59.2	56.2		ug/kg dry	*	95	18 - 166

QC Sample Results

Client: GES Hauppauge (CFI)
Project/Site: 449 Glencove Road, Roslyn Heights, NY

TestAmerica Job ID: NVL1144

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L3912-MS1

Matrix: Soil

Analysis Batch: U022232

Client Sample ID: Matrix Spike

Prep Type: Total

Prep Batch: 11L3912_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
m,p-Xylene	ND		118	123		ug/kg dry	*	104	27 - 162
Xylenes, total	ND		178	179		ug/kg dry	*	101	25 - 162
Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Limits						
1,2-Dichloroethane-d4	93		70 - 130						
Dibromofluoromethane	100		70 - 130						
Toluene-d8	99		70 - 130						
4-Bromofluorobenzene	100		70 - 130						

Lab Sample ID: 11L3912-MSD1

Matrix: Soil

Analysis Batch: U022232

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 11L3912_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		54.5	52.7		ug/kg dry	*	97	31 - 143	13	50
sec-Butylbenzene	1.96		54.5	43.9		ug/kg dry	*	77	12 - 170	20	50
tert-Butylbenzene	ND		54.5	44.0		ug/kg dry	*	81	20 - 164	19	50
n-Butylbenzene	2.65		54.5	44.0		ug/kg dry	*	78	10 - 175	22	50
Ethylbenzene	ND		54.5	48.3		ug/kg dry	*	89	23 - 181	15	50
Isopropylbenzene	1.83		54.5	51.8		ug/kg dry	*	92	23 - 181	17	50
p-Isopropyltoluene	ND		54.5	43.5		ug/kg dry	*	80	12 - 168	22	50
Methyl tert-Butyl Ether	ND		54.5	55.8		ug/kg dry	*	102	28 - 141	12	50
Naphthalene	30.6		54.5	74.1		ug/kg dry	*	80	10 - 176	4	50
n-Propylbenzene	3.40		54.5	50.4		ug/kg dry	*	86	18 - 162	12	50
Toluene	ND		54.5	51.1		ug/kg dry	*	94	30 - 155	16	50
1,2,4-Trimethylbenzene	ND		54.5	46.6		ug/kg dry	*	86	14 - 165	18	50
1,3,5-Trimethylbenzene	ND		54.5	47.5		ug/kg dry	*	87	18 - 164	18	50
o-Xylene	ND		54.5	47.2		ug/kg dry	*	87	18 - 166	17	50
m,p-Xylene	ND		109	104		ug/kg dry	*	95	27 - 162	17	50
Xylenes, total	ND		163	151		ug/kg dry	*	92	25 - 162	17	50
Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Limits								
1,2-Dichloroethane-d4	93		70 - 130								
Dibromofluoromethane	100		70 - 130								
Toluene-d8	97		70 - 130								
4-Bromofluorobenzene	101		70 - 130								

Method: SW846 6010B - Total Metals by EPA Method 6010B

Lab Sample ID: 11L3192-BLK1

Matrix: Soil

Analysis Batch: 11L3192

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L3192_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		1.01		mg/kg wet		12/13/11 12:16	12/14/11 11:54	1.00
Chromium	ND		1.01		mg/kg wet		12/13/11 12:16	12/14/11 11:54	1.00
Lead	ND		1.01		mg/kg wet		12/13/11 12:16	12/14/11 11:54	1.00

QC Sample Results

Client: GES Hauppauge (CFI)
Project/Site: 449 Glencove Road, Roslyn Heights, NY

TestAmerica Job ID: NVL1144

Method: SW846 6010B - Total Metals by EPA Method 6010B (Continued)

Lab Sample ID: 11L3192-BS1
Matrix: Soil
Analysis Batch: 11L3192

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11L3192_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	20.2	20.0		mg/kg wet		99	80 - 120
Chromium	80.8	79.3		mg/kg wet		98	80 - 120
Lead	20.2	20.7		mg/kg wet		102	80 - 120

Lab Sample ID: 11L3192-MS1
Matrix: Soil
Analysis Batch: 11L3192

Client Sample ID: DW-5 (20)
Prep Type: Total
Prep Batch: 11L3192_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	ND		21.1	20.8		mg/kg dry	*	99	75 - 125
Chromium	9.14		84.6	93.4		mg/kg dry	*	100	75 - 125
Lead	7.47		21.1	30.1		mg/kg dry	*	107	75 - 125

Lab Sample ID: 11L3192-MSD1
Matrix: Soil
Analysis Batch: 11L3192

Client Sample ID: DW-5 (20)
Prep Type: Total
Prep Batch: 11L3192_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	ND		20.1	20.1		mg/kg dry	*	100	75 - 125	3	20
Chromium	9.14		80.4	90.8		mg/kg dry	*	101	75 - 125	3	20
Lead	7.47		20.1	30.3		mg/kg dry	*	114	75 - 125	0.8	20

Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 11L3412-DUP1
Matrix: Soil
Analysis Batch: 11L3412

Client Sample ID: Duplicate
Prep Type: Total
Prep Batch: 11L3412_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
% Dry Solids	73.4		70.7		%		4	20

QC Association Summary

Client: GES Hauppauge (CFI)
Project/Site: 449 Glencove Road, Roslyn Heights, NY

TestAmerica Job ID: NVL1144

GCMS Volatiles

Analysis Batch: U022232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3912-BLK1	Method Blank	Total	Soil	SW846 8260B	11L3912_P
11L3912-BLK2	Method Blank	Total	Soil	SW846 8260B	11L3912_P
11L3912-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11L3912_P
11L3912-MS1	Matrix Spike	Total	Soil	SW846 8260B	11L3912_P
11L3912-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	11L3912_P
NVL1144-01	DW-5 (20)	Total	Soil	SW846 8260B	11L3912_P

Prep Batch: 11L3912_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3912-BLK1	Method Blank	Total	Soil	EPA 5035	
11L3912-BLK2	Method Blank	Total	Soil	EPA 5035	
11L3912-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11L3912-MS1	Matrix Spike	Total	Soil	EPA 5035	
11L3912-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NVL1144-01	DW-5 (20)	Total	Soil	EPA 5035	

Metals

Analysis Batch: 11L3192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3192-BLK1	Method Blank	Total	Soil	SW846 6010B	11L3192_P
11L3192-BS1	Lab Control Sample	Total	Soil	SW846 6010B	11L3192_P
11L3192-MS1	DW-5 (20)	Total	Soil	SW846 6010B	11L3192_P
11L3192-MSD1	DW-5 (20)	Total	Soil	SW846 6010B	11L3192_P
NVL1144-01	DW-5 (20)	Total	Soil	SW846 6010B	11L3192_P

Prep Batch: 11L3192_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3192-BLK1	Method Blank	Total	Soil	EPA 3051A/6010	
11L3192-BS1	Lab Control Sample	Total	Soil	EPA 3051A/6010	
11L3192-MS1	DW-5 (20)	Total	Soil	EPA 3051A/6010	
11L3192-MSD1	DW-5 (20)	Total	Soil	EPA 3051A/6010	
NVL1144-01	DW-5 (20)	Total	Soil	EPA 3051A/6010	

Extractions

Analysis Batch: 11L3412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3412-DUP1	Duplicate	Total	Soil	SW-846	11L3412_P
NVL1144-01	DW-5 (20)	Total	Soil	SW-846	11L3412_P

Prep Batch: 11L3412_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3412-DUP1	Duplicate	Total	Soil	% Solids	
NVL1144-01	DW-5 (20)	Total	Soil	% Solids	

Lab Chronicle

Client: GES Hauppauge (CFI)
Project/Site: 449 Glencove Road, Roslyn Heights, NY

TestAmerica Job ID: NVL1144

Client Sample ID: DW-5 (20)

Lab Sample ID: NVL1144-01

Date Collected: 12/07/11 13:35

Matrix: Soil

Date Received: 12/08/11 08:00

Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.935	11L3912_P	12/09/11 09:32	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U022232	12/17/11 22:21	MJH /	TAL NSH
Total	Prep	EPA 3051A/6010		0.977	11L3192_P	12/13/11 12:16	CAT	TAL NSH
Total	Analysis	SW846 6010B		1.00	11L3192	12/14/11 12:17	LTB	TAL NSH
Total	Prep	% Solids		1.00	11L3412_P	12/14/11 15:25	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11L3412	12/15/11 10:18	RRS	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Method Summary

Client: GES Hauppauge (CFI)
Project/Site: 449 Glencove Road, Roslyn Heights, NY

TestAmerica Job ID: NVL1144

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 6010B	Total Metals by EPA Method 6010B		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

Client: GES Hauppauge (CFI)

Project/Site: 449 Glencove Road, Roslyn Heights, NY

TestAmerica Job ID: NVL1144

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA - LAP	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canada (CALA)	Canada (CALA)		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30813
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2983
TestAmerica Nashville	New Jersey	NELAC	2	TN985
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	88-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAC00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48489
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



NVL1144

Cooler Received/Opened On 12/8/2011 @ 0800

1. Tracking # 7090 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97310168

2. Temperature of rep. sample or temp blank when opened: 4.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: one front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) DA

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Subblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 1/1

I certify that I unloaded the cooler and answered questions 7-14 (Initial) F

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) F

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) F

I certify that I attached a label with the unique LIMS number to each container (Initial) F

21. Were there Non-Conformance Issues at login? YES...NO Was a PIPE generated? YES...NO...

TestAmerica

Client Name/Account #: Groundwater & Environmental Services, Inc.

Address: 89 Cabot Court, Suite A

City/State/Zip: Hempstead, NY 11788

Project Manager: Edward Szwarc

Telephone Number: 800-380-8405 ext. 4318

Sampler Names: (Print) David Rokkowitz

Sampler Signatures

Phone: 615-728-0177
Toll Free: 800-765-0880
Fax: 615-728-3406

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

Compliance Monitoring?	Yes	No
Enforcement Action?	Yes	No

Sites States: 446 Glen Cove Rd., Roslyn Heights, NY (C-18800004V2204)

PO#: **PO# 38805 Direct bill to Cumberland Farms, Inc. c/o Chris Johnson**

TA Quote #:

Project ID: CBT #8000004/V22204

Project# GES Project#

Page 16 of 16